35. Hot Water Calorifier

A) System Description

System consists of 3 nos. hot water calorifiers that supply hot water to the building.

B) Temperature control

3-way valves installed in the hot water coil return shall be modulated as per PI (Proportional Integral) logic to maintain supply water temperature at set point (60°C, adjustable from BMS workstation).

C) System monitoring

The following points shall be monitored by BMS:

i. Tank Temperature (each calorifier)
ii. Supply Temperature (each calorifier)
iii. Return Temperature (each calorifier)
iv. 3-Way Valve Feedback (each calorifier)
v. High Temperature Alarm (each calorifier)

D) Alarms

The followings alarms shall be raised on BMS

S.NO.	ALARM	PRIORITY
1	High temperature alarm (each calorifier)	Low